cadwork ®

Solutions for *Timber Construction, Joinery & Interior Design*

Supporting
you today in
the realization of
your projects
in the future

www.cadwork.Com

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design **PLAN** build
PRODUCE quantify exchange
list **OPTIMISE** train
manage

As a wood specialist, cadwork has been the world market leader in construction solutions and software for almost 30 years.

With its comprehensive and flexible range of design and production modules, cadwork covers all areas of application in construction and supports you in all stages of a project.

Unparalleled flexibility and power to meet the needs of every business, using cutting-edge technologies that ensure maximum speed in viewing and editing.

Your Solutions

WOOD CONSTRUCTION • **HISTORICAL**

CARPENTRY-ROOFING •

EXTENSION •

RENOVATION •

CONCEPTION & TAKEOFF •

CNC FAB

cad**w**
• GLOBAL S

Who are we?

cadwork is a company of experts at your service. Our only goal is to accompany you in the development of your business, whether you are a craftsman, a small business or a multinational corporation: cadwork offers you a complete service, proven and constantly evolving software, the assurance of being supported by people who understand your business and your needs.
We have regrouped our solutions to offer you a range of professions through a simple image: the solution wheel. If you can't find what you're looking for, do not hesitate to come back to us. We will put together THE solution, and YOUR SOLUTION.
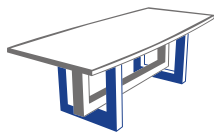
Efficient interactive operation

Timber construction is on the rise, but you can't build alone. cadwork is the essential interoperable software suite: PDF, DXF, IFC, DSTV, STEP, Revit, Rhino. Catia, connection to digital measurement tools, driving more than 150 machines... Choose the program that will allow you to have as little data as possible to re-enter and to work in harmony with as many users as possible.
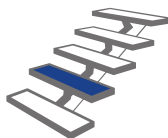
Do you want to go even further? Cadwork is the solution to integrate you in an OpenBIM process, interoperability is our DNA... Let us guide you.
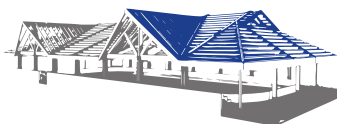
MONUMENTS • JOINERY & INTERIOR DESIGN • STAIRCASE • LOGISTIC • ENGINEEERING • SURVEY & REVERSE ENGINEEERING • ENGINEERING STRUCTURE • ...RICATION

work ®

...OLUTION •

The pluses that make the difference

STATE-OF-ART SOLUTION

cadwork keeps abreast of new technologies to offer you the latest innovations in the construction world

PERSONALISED ADVICE

Our staff are ready to listen to your specific needs and advise you on the options you really need.

EFFICIENT TECHNICAL SUPPORT

Contact our hotline by phone or e-mail: we will get back to you within the day.

PRIVILEGED FOLLOW-UP

Our employees are always close to you, guaranteeing you a privileged and high quality follow-up, because the proximity and contact remain essential at cadwork.

PROFESSIONNALISME

As a world leader in the construction software and solutions market for almost 30 years, cadwork can confidently support you in the development of your business.

CUSTOMISED TRAINING

Individual or group training, at your place of business or in one of our offices: choose the formula that suits you the most to train your teams.

# SOLUTION
Conception – Takeoff

DESIGNING AND QUOTATING A PROJECT
HAS NEVER BEEN SO EASY!

cadwork Conception is designed for all building professionals, whatever their profession.
Are you a constructor or a qualified craftsman such as a plasterer, tiler, mason or carpenter?
Design, list, optimize and calculate your jobsite in a simple and intuitive way.

- Quick drawing on a PDF
- IFC import
- Google Maps terrain import
- Instant quantity takeoff
- Customer presentation
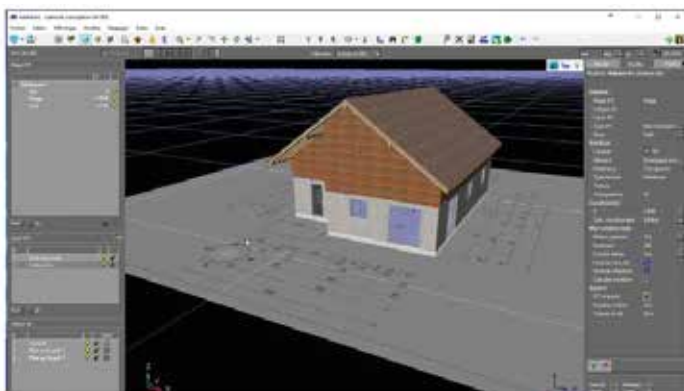
Logical basis for design

Since every construction is unique and depends on its environment, cadwork offers you cadwork Maps, a tool that allows you to quickly download map of part of the planet in 3D.
The integration of your design then becomes meaningful both during development and presentation.

Modeling terrain

Based on Google Maps data, the information is not precise enough (1 level point every 15 m). It is possible to project the data from a terrain survey made by yourself or by an external service provider (such as a surveyor or capture4cad) and remodel the terrain to obtain an accurate result.

Once the terrain has been modeled, you can clear the ground for a perfect integration.
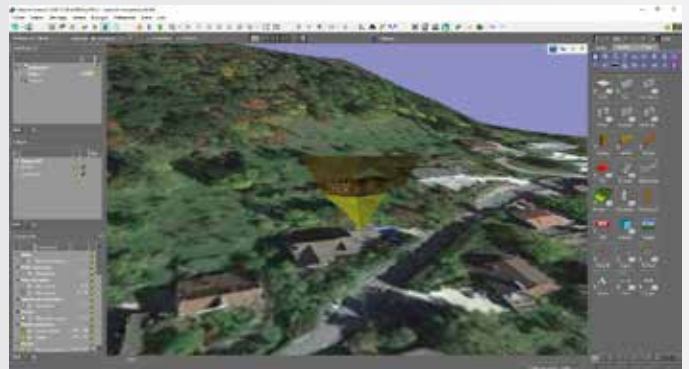
Architectural design

Design architectural projects quickly and easily.
Start your projects in several ways: from a PDF drawing, an IFC file or a blank page. Then you can easily model your construction from there. Automatic section generation and dynamic 3D allow you to check whether all constraints are met.

The output of plans in PDF format, Google Maps integration and export to HTML format will allow you to present your projects in a bold way for a personalized projection as close as possible to the expectations of your clients.

Quotation

Calculate your projects quickly and accurately. The quotation functions generate detailed lists by type of element and material. Then allow you to export the result in the form of Excel files and/or to integrate it directly into a quotation software.
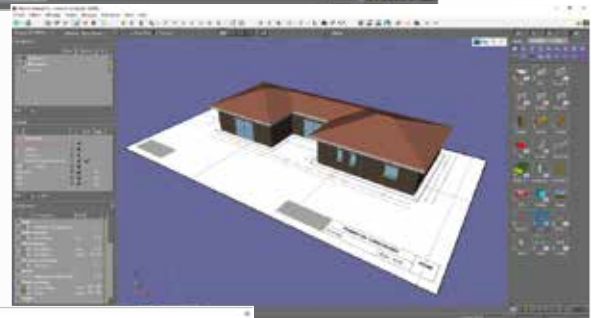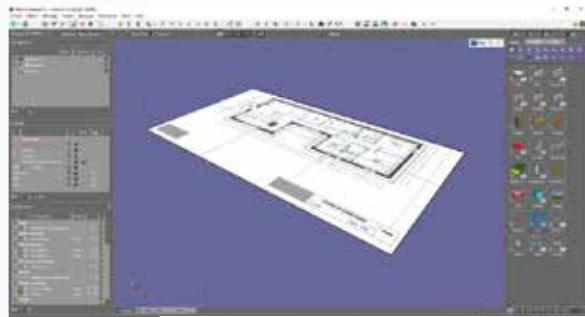
This solution uses the following modules:
CADWORK CONCEPTION, ROOFPARTS, AUTOWALL, PDF IMPORT, MAPS, IFC IMPORT/EXPORT

SOLUTION
Extension
Renovation
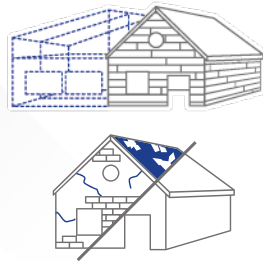
THE CREATION OF EXTENSIONS PLACES PARTICULARLY HIGH DEMANDS ON THE CAD SOLUTION.

With the Construction Pack (cadwork basic pack including 2D, 3D, Lists), you can easily create simple or complex constructions, manage the transition of facades to a glass structure, work down to the smallest detail, manage the combination of the most diverse materials, and work with specific profile and connector systems.

- Representation of the existing situation by digital survey
- Customer presentation
- Precise 3D drawing with all connections
- List of all material requirements
- 2D overview plans
- 2D EXE and PAC plans
- Machine

Renovation transforms an existing building into a new project that meets current requirements in terms of structural, technical, thermal and aesthetic performance.
The starting point of each renovation is the existing building, which must be modeled and on which changes are to be made.

the particularity of being grafted ...ture.

They often require several technical details related to manufacturing, lifting or installation, which are specific to each project.

These projects highlight the mix of materials; they require before-and-after presentations, and also during the interventions on site.

Of course, the most important thing: respecting your client's requirements.

cadwork meets the requirements of these projects perfectly.

Creation of plans

Laser measuring devices are a must in this field: in combination with a Leica Builder theodolite, cadwork is the perfect tool for the extensions and verandas.

The preparation of precise assembly and construction plans, e.g. with the help of a drawing or an explosion, is part of the functionality of the cadwork basic package.

A Rendering to convince

You will also get professional renderings and be able to make videos to present your projects. The Artlantis rendering interface will give you all the possibilities to create high resolution renderings from your 3D models.

Company : Dimension Bois

List, plan en DPP

Company : Vias ALU

This solution uses the following modules:
**2D, 3D, LIST+DPP, ROOFPARTS, AUTOWALL,
BIM MANAGEMENT TOOL (BMT), WEBVIEWER**

SOLUTION
Roof Framing

AUTOMATE YOUR ROOFS

In the past, the carpentry was often associated with the construction of roofs. Today, the field of activity of a carpenter's workshop has changed fundamentally.

That is why the various cadwork products and modules based on a 3D modeler make all your projects feasible and unlimited.

From the classic 2-sided roofs, traditional roof truss and multi-material roofs, cadwork offers you support modules to help you automate your roof truss.

- Precise 3D drawing with all connections
- 2D EXE and PAC plans
- 2D overview plans
- List of all material requirements
- Machine
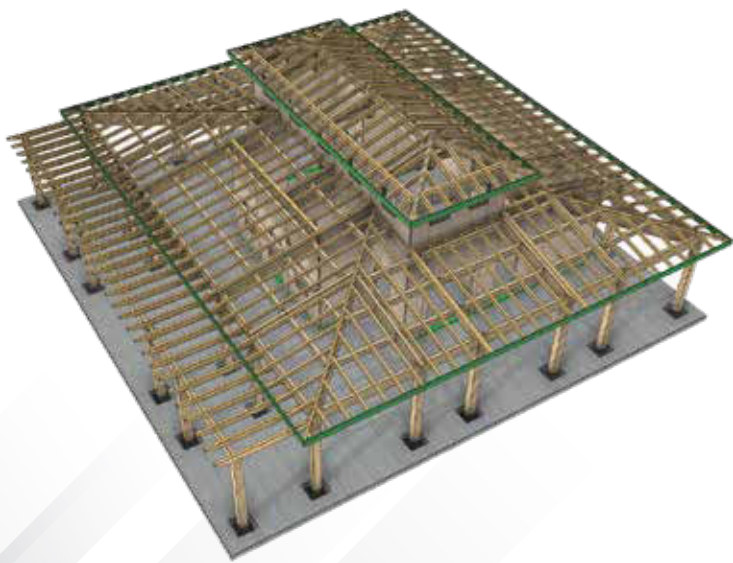
Timber Roof Truss

Design your roof connection automatically with the tools included in 3D.

By indicating the roof slopes, the software will calculate the roof connection as a surface. The quantities of surfaces, eave, ridge, hip and valley lines are calculated instantly.

From these same surfaces, you will obtain in a few clicks the frame parts: rafters, purlins, ridges, hips/nuts.
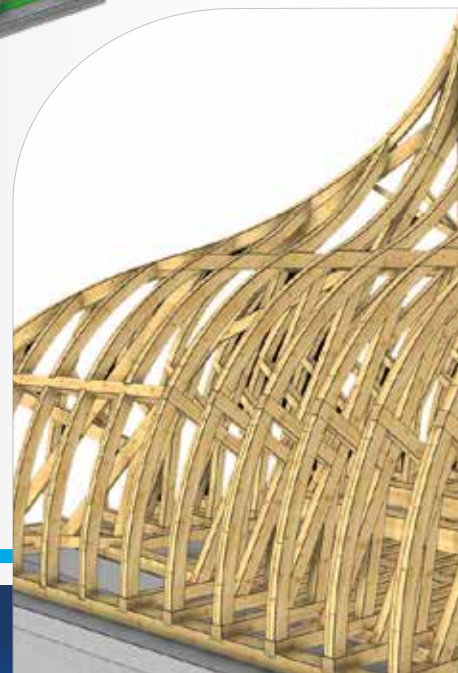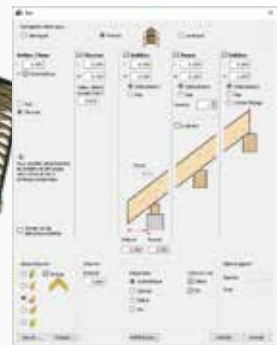
Parametric Timber Roof Truss

Linked to the parametric trusses, the Roofing module is the tool for carpenter and roofer to edit lists and plans that can be used directly.
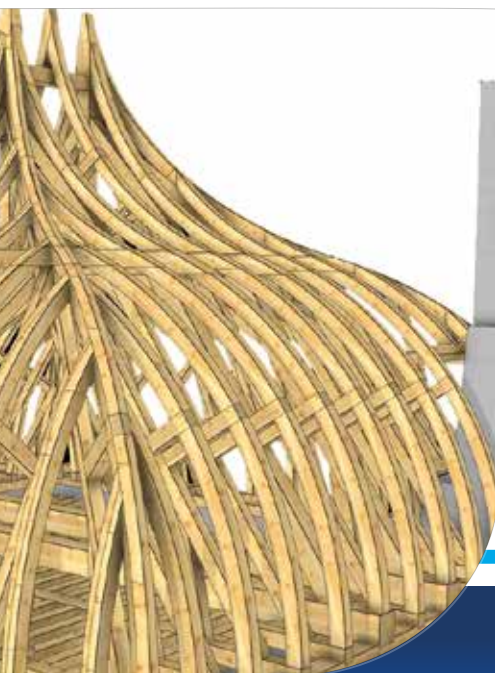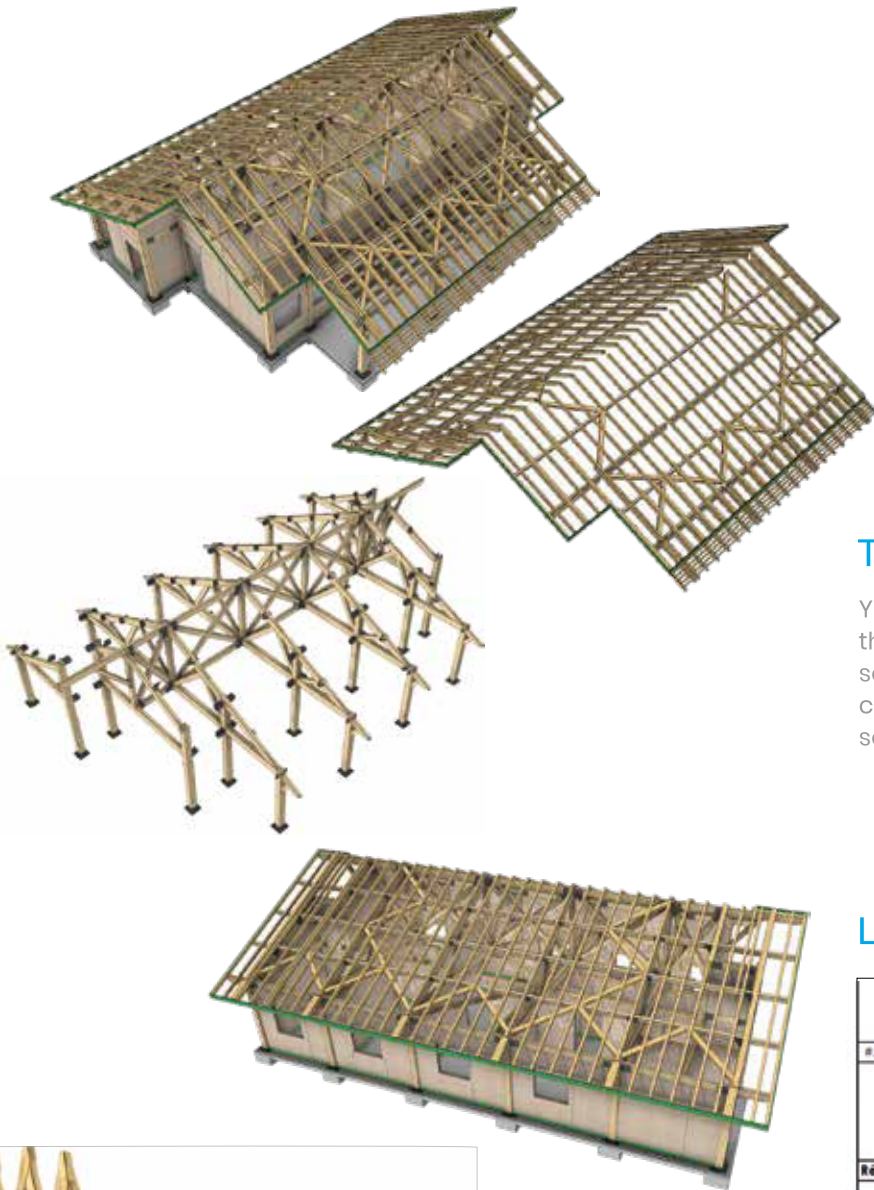
Truss

Your client has a smaller budget? You choose the truss? cadwork is compatible with most truss software: Mitek, Wolf, etc... Transfer your calculated data directly into your production software. This is also what OpenBIM is all about.

Lists

This solution uses the following modules:
2D, 3D, LIST+DPP, ROOFPARTS, ROOF PRO, BIM MANAGEMENT TOOL (BMT)

SOLUTION
Wood Construction

ULTIMATE FLEXIBILITY AND SPEED AT THE TIP OF YOUR MOUSE

Do you know the advantage of using a 3D modeler? Your only limits are the ones you set for yourself. Whatever you imagine, you can draw it.

Think outside the box: cadwork is your tool, and you control it.

- Precise 3D drawing with all connections
- 2D EXE and PAC plans
- 2D overview plans
- List of all material requirements
- Machine
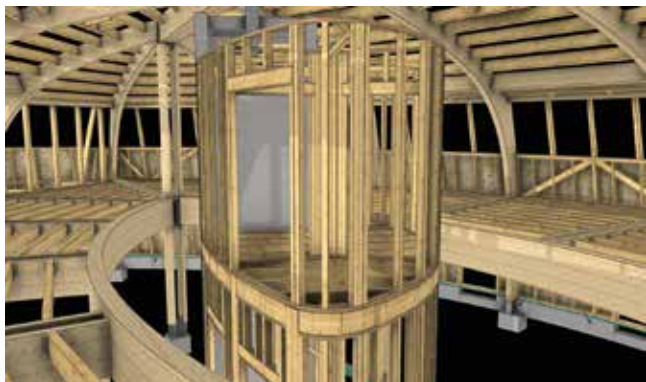
## With cadwork, the construction system is no limitation.

You are free to design any building shape with the materials you want.

Wood-wood, wood-metal, bolted connections, etc. are included as standard.

You have a complete tool: 3D drawing, material lists, hardware list, all necessary EXE / PAC plans and customer plans (plan views, sections, assembly details, etc...)
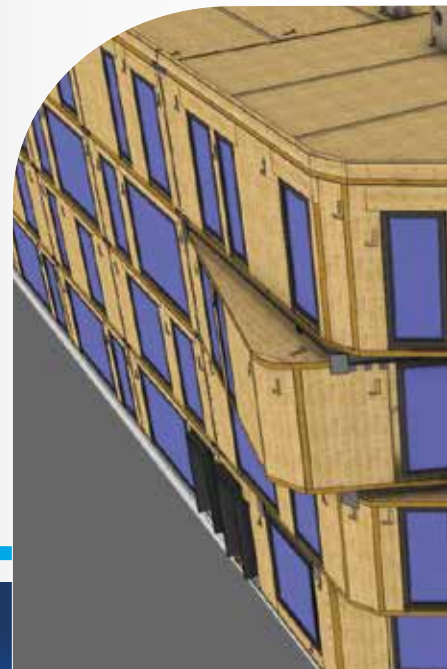
And much more...

The Element module is your all-round solution for creating walls of various timber frame, post and beam and CLT. But you can also create floors (caissons, joists, CLT...), roof caissons, etc...

This module allows you to draw all assembly details between walls, floors, opening details of trimmers and reservation.

Therefore, you can quote in record time with a 3D that can be presented to your client via WebGL, in augmented or virtual reality. Your production plans are edited in a few clicks, ready to be printed and sent to the workshop.

Jobsite Astori - Villa Salvan

List

Company : Bourguignon SA

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SOLUTION
Historical
Monument

Carpentry, stonemasonry, building salvage: thanks to its free and unlimited design, cadwork has become the leader among specialists for historical monuments.

From restoration situation to scaffolding then to complete reconstruction, the powerful 3D modeler allows you to design even the most complex parts in the basic version.

Photogrammetry, total station, scanner: our compatibility with the different types of measuring devices will allow you to model reality.

- Precise 3D drawing with all connections
- 2D EXE and PAC plans
- 2D overview plans
- List of all material requirements
- Machine

Our commitment

Preserving our history is what cadwork is committed to, by providing you with turnkey solutions, from the acquisition service, or assistance in the purchase and use of measuring tools, right through to the driving of your cutting machines and/or the production of manufacturing plans.

Using the Cadwork 3D modeler means you can model everything. Supported by our C-Faster solution, you can be sure to model everything accurately. In addition, with the edition of individual parts lists and overall plans, you will have your solution for restoring the most beautiful monuments in the world.

Cadwork, the reference professional software for historical monument.

Company Asselin : Chantier Vannes

Survey 30 Capture4cad: Eglise-Saint-Jean-Baptiste de Châtillon-sur-Bar
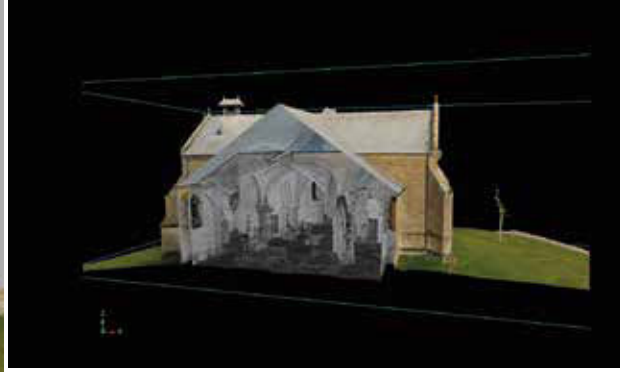
Battais Charpentes : Charpente Moulin

This solution uses the following modules:
**2D, 3D, LIST+DPP, ROOFPARTS,
BIM MANAGEMENT TOOL (BMT), WEBVIEWER**

SOLUTION
Joinery - Interior design

CADWORK, THE CUSTOMISED SOLUTION THAT ADAPTS TO YOUR NEEDS AND OFFERS YOU THE ADVANTAGES OF AN ALL-IN-ONE SOFTWARE!

On one hand, a free design tool, and on the other hand, the possibility to set up your standard furniture, combining speed and creativity.
Build freely, make stairs in an automated way, create and modify standards parts easily by variable means. You have all the tools you need to create your most beautiful works, and all this in a perfect interoperability.

- Representation of the project environment (walls, doors, windows, floors)
- JTC, design tool for furniture bodies and facades
- 3D client presentation
- Precise 3D drawing
- 2D EXE and PAC plans
- 2D overview plans
- Lists of material requirements
- Optipanneaux: optimization of material
- Machine

Unlimited 3D modeling

The cadwork solution is based on a 3D modeler that allows you to create a virtual model, from which 2D and 3D drawings, sales renderings, quantities for quotations, timber lists for orders, manufacturing drawings, machine data and much more are extracted.

You can create quickly your drafts and make 3D presentations according to your customers' requirements without wasting time.
Configure and save your preferences to optimize your working time.
Thanks to a pre-configured assembly library, the production details are correctly transferred to your machining centers.

With cadwork you will convince your customers and partners.

The link with Blum configurator will allow you to create drawers with all the necessary configurations for your project.

You will be able to save your furniture designs to apply them at any time in other projects and other dimensions.

JTC is included in the Package Interior design it is not an option.

With this flexible and powerful tool for furniture design, you will be able to design from the cabinet to the details of all the assemblies (Clamex, Lamello, eccentrics, System 32…), partitions, drawers, fronts, worktops, plinths and finishes in a very short time.
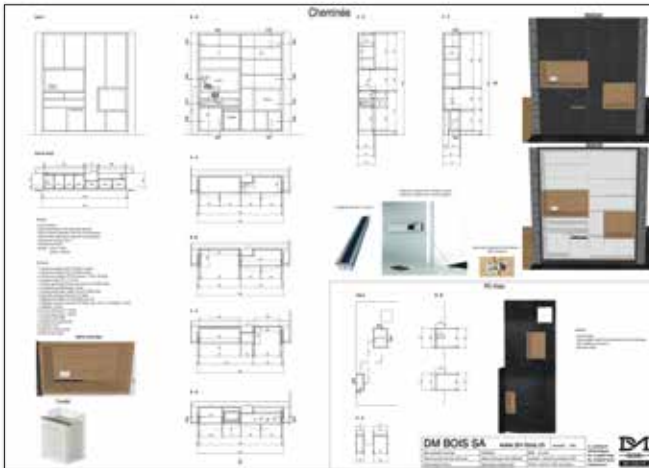
Lists+ Furniture plan
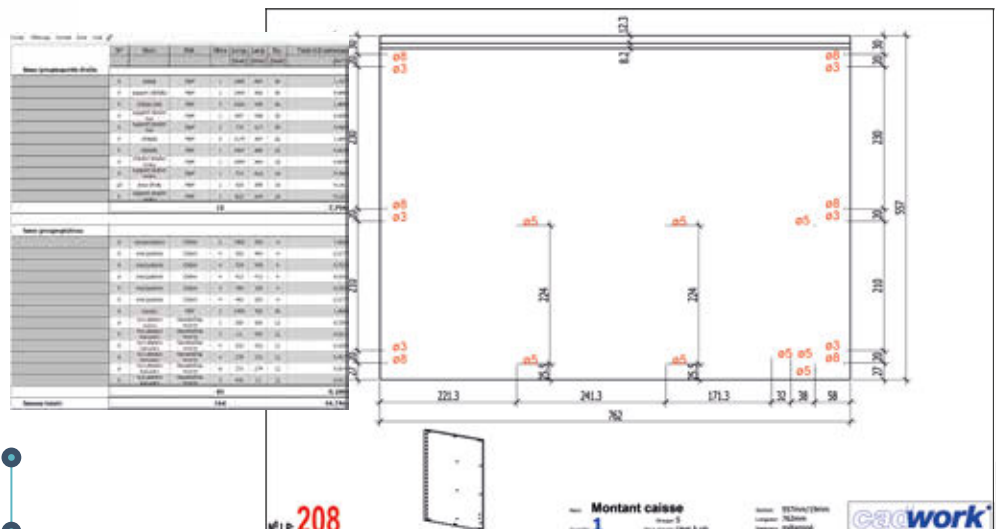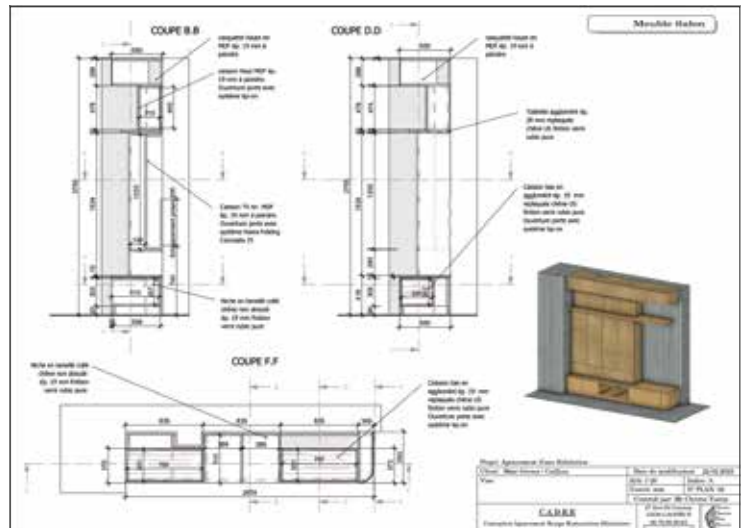
SOLUTION
Staircase

THE PARAMETRIC, BUT NOT ONLY ...

Thanks to the provided parametric models, you can quickly create standard staircases by using the cadwork Staircase module. But you can also realize all your desires projects by using the cadwork 3D module.

- Freedom of view in staircase plan
- Parametric values to define a staircase
- Digital survey 3D scan, Photogrammetry
- Precise 3D drawing with all connections
- 2D EXE and PAC plans
- 2D overview plans
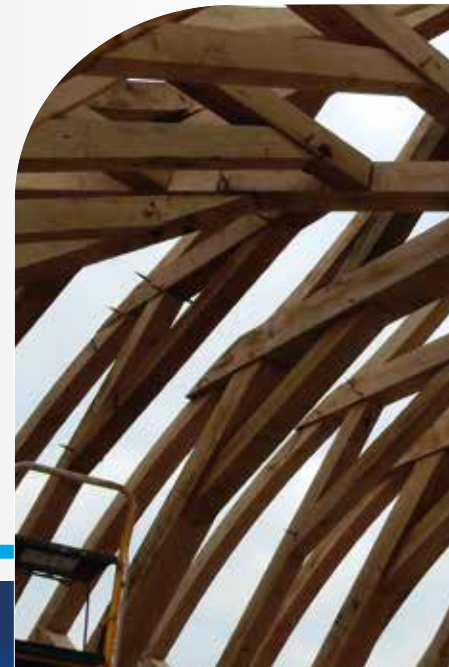- List of all material requirements
- Machine

How does it work?

The Staircase module is an add-on module to cadwork 3D or 3D.
It allows you to generate a 3D model of your staircase by selecting a model and editing its parameters.
This 3D model can then be modified, enhanced and optimised directly in the 3D modeller.
The edition of plans and lists is then done automatically.

Interface

A simple and entertaining interface that guides you in its parameterization, this is the commitment of this module to simplify its use.

Module

The Staircase module will allow you to quickly create multi-piece stairs, with landings or spiral stairs...
By defining the plan view of your stairs, the software will automatically calculate the heights of the steps, the balancing, the swing gates, the stringer assemblies...

Machine

Lists + plan

This solution uses the following modules:
2D, 3D, OPTIPANNEAUX, STAIRCASE, LIST+DPP, ROOFPARTS, BIM MANAGEMENT TOOL (BMT), WEBVIEWER

SOLUTION
Optimization

OPTIMISING YOUR JOBSITES DIRECTLY FROM YOUR 3D

As the market leader in timber construction software, joinery and interior design industries, cadwork offers you ideal solutions to simplify your daily work.
Today's high-performance tools offer you maximum precision and ease of use.

- Material optimization
- Transport optimization
- Direct link to cadwork 3D
- Result feedback in cadwork
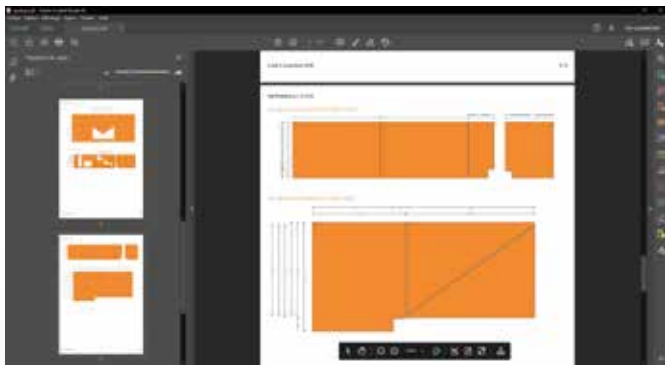
Optipanneaux

Save money by optimizing your panel output. Define all commercial dimensions from your supplier.
Then export your panels directly from cadwork. Optipanneaux will find the best way to produce your parts with minimal off-cuts, while following your cut thickness and trim parameters.
Choose from which width the off-cuts are reusable, Optipanneaux will put them back in stock for your next production runs.

Optimization in only 4 steps!

1 Storage
Definition of commercial dimensions from your supplier

2 Panel management
Import the panel list to be cut.

3 Optimization
Definition of the parameters of cutting and trim thickness and performance of the calculation.

4 Results
Display of results in graphical and list form with cut-off percentage and export to PDF.

Opticargo
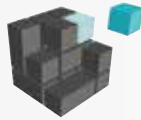
Simulate and optimize your loads!

Precise and efficient positioning of elements in the truck allows you to save on your transport costs.
The load planning process with Opticargo software saves you time and additional costs.
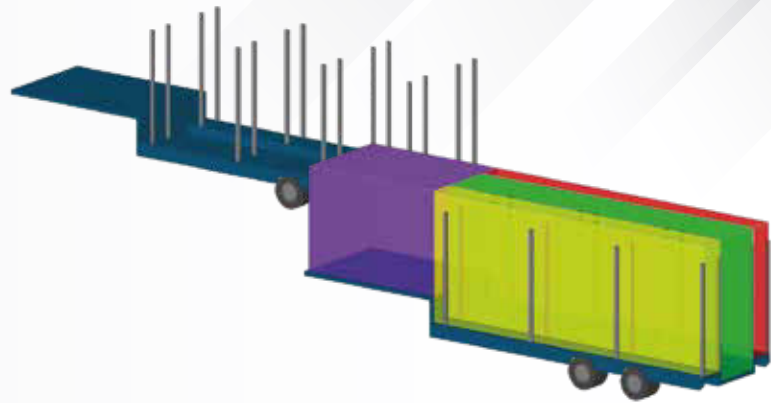
1 cadwork 3D:
Drawing of a house composed of timber frame walls (or CLT), joisting, various structural elements.

3 Definition of maximum package or pallet size.
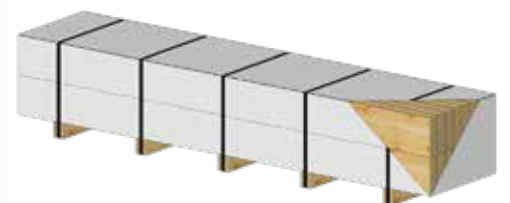
4 Optimization of pallet

5 Optimization of the load including walls, packages and separate elements such as long beams.

This solution uses the following modules:
3D, LIST + DPP
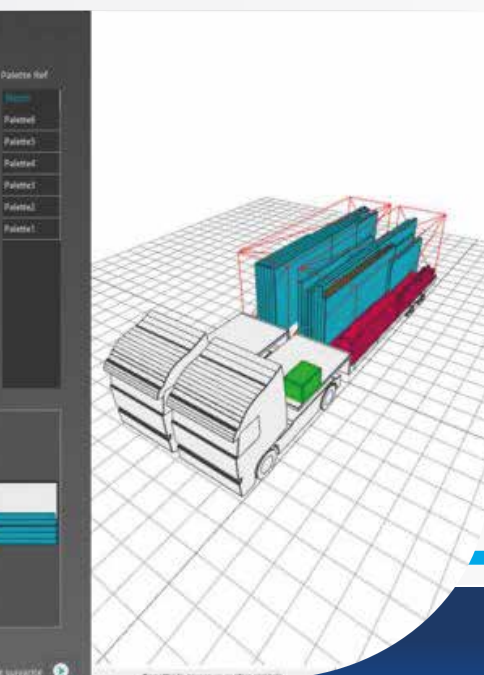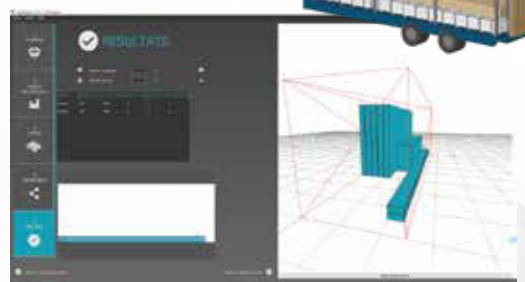
SOLUTION
Survey &
Reverse engineering
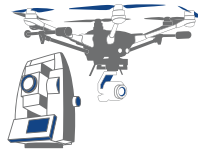
SIMPLE, FAST AND SAFE SURVEYING

cadwork waits for your customized measurements from your total station and plots your points, lines and surfaces directly in 3D. Precise measurements to millimeter, both in surveying and in layout.
Land, interior, facade, roof, etc., everything you see can be implemented in the cadwork suite, without scaffolding and in complete safety.

DIGITISE THE EXISTING

- Fast and accurate quotation
- Reverse engineering
- 3D design
- Layout

Outdoor surveying

Simplify all your measuring tasks with manual total stations compatible with our modelers.
In combination with the live unit or by importing your survey via USB stick, you can ensure that your design, quantity surveying and production are based on reliable and highly accurate measurements. The dynamic mode (direct connection to the PC) provides a real-time and simplified visualization that allows you to process the data with peace of mind.

Building applications: various measurement points taken by a tachymeter (existing building, slab survey, etc.) are transmitted directly to cadwork 3D. The result is displayed in real time as points, lines and surfaces in cadwork 3D and cadwork Conception.

Scanning and 3D laser survey

The 3D laser surveys allow a complete digitization of the environment via 360° laser measurements ranging from 50 cm to 130 m with an accuracy of 2 mm to 10 m in form of point cloud. These measurements are supplemented by an HDR image taken by the scanner, also over 360°, to obtain a color result and a photo that help in the overall understanding.
This technique guarantees an unparalleled reliability of measurement for your project with an overall measurement error of 4mm on average.

Photogrammetry

Photogrammetry is based on the assembly of multiple aerials and/or terrestrial photos, with the aim of obtaining a 3D model. Applicable to any scale from a ballpoint pen to the Eiffel Tower. This process provides a detailed and colorful reproduction of reality, with an accuracy of between 1 and 10 cm depending on the final use.

This technique facilitates facade or roof surveys for your quotations: it also allows you to create 3D models for the preparation of urban development, scaffolding or CIP.

This solution uses the following modules:
3D, PACKAGE LASER MEASUREMENT
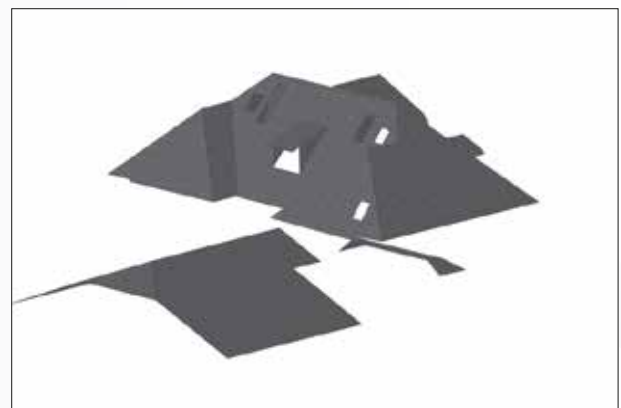
SOLUTION
Engineering Structure

FLEXIBILITY FOR DIVERSE PROJECTS
OF ENGINEERING OFFICES

The engineering office, which is responsible for the feasibility of the most ambitious projects, requires specialized tools and seamless support.
Trust cadwork and its teams to accompany you in the most audacious projects.

- Precise 3D drawing with all connections
- 2D overview plans
- 2D EXE and PAC plans
- List of all material requirements

Constructive systems

The cadwork solutions will allow all timber engineers to have a solution for the design of all kinds of buildings from the basic version. Yes, with cadwork, constructive systems are not an option!

All buildings are constructed with 3 families of materials: wood, metal and concrete. Based on this fact, we offer you the same flexibility and speed to design wood, metal and concrete, even if we prefer wood. For example, for the masonry lot, you will be able to edit the plans for the reservations in the walls, the post layouts for the foundations with the necessary comments and dimensions, etc.

For the timber construction part, you will design buildings for all purposes: individual houses, high rise collective housing, sports facilities, logistic platforms, offices, medical buildings, etc.. With Rhino.inside cadwork gateway connecting Grasshopper to cadwork, you can design the most complex shapes as well as the simplest.

Dimensioning of structures

Stability of structures

Let's not forget the stability of buildings: our latest efforts have been focused on the development of a highly efficient link with our partner Itech and its ACORD suite.

In a few clicks, C-Faster will take care of the geometric translation of cadwork 3D drawing to ACORD EXPRESS, CVT, ACORD BAT 2D and 3D. You will edit your calculation notes very quickly for CLT, timber frame, wood frame, metal frame and mixed wood/metal structures.

Openness

Now let's talk about openness to other software. Working in the building industry means coordinating with other sectors. The high compatibility of cadwork with the most common formats will allow you to communicate easily in 3D and 2D with your interlocutors for exchanges without loss of information and accuracy. Some formats: DXF/DWG, IFC, 3DM, RVT/RFA, STEP, SAT...
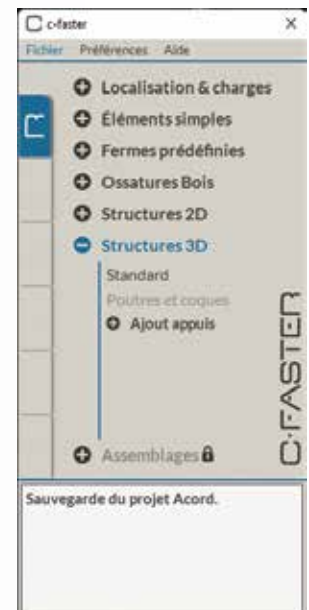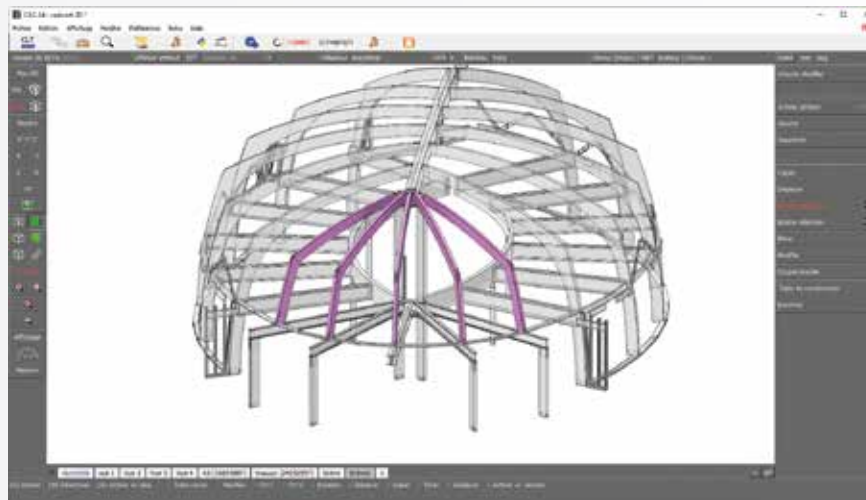
Lisa.blue by work4

In independent use or integrated with C-Faster, obtain climatic and seismic calculation notes according to Eurocode and SIA. www.lisa.blue
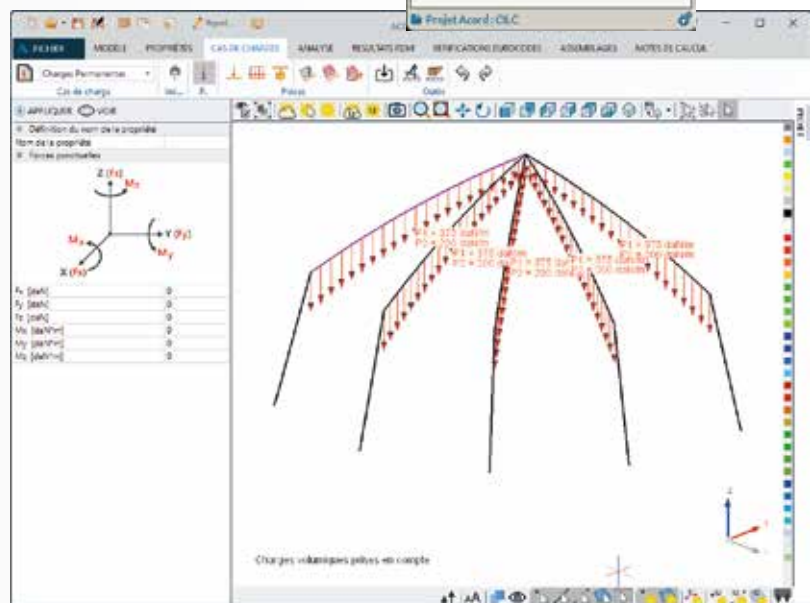
SOLUTION
CNC Fabrication

CADWORK MACHINE

As complementary to 3D, this solution allows the preparation of 3D data for wood machining centers.
In just a few clicks, your design is translated into machine data for rapid production in line with your project.

Different control systems:
- carpentry machine, wood construction (walls), frame assembly
- carpentry machine
- metal machine, laser/plasma cutting

In the world of wood, we distinguish 3 main families of machines: Beam, Panel and Assembly. Let's not forget the possibility of exporting to CNC metal cutting machines: profiles and plates.
Whatever the machine, to which the data will be transcribed, cadwork always works on the following principle: the designer designs his works with all the necessary cuts, contours, notches and drillings with company's know-how, all the recognition intelligence of cadwork analyses and exports the geometries into data read by your machine.
Cadwork is compatible with all major manufacturers.

Solution Beam machine

This solution is intended for the beam processing machines. Trusses, purlins, rafters and timber frames will be processed from the 3D drawing made by engineering office. You can export directly to the machine format BVN, BTL, BTLx.

Furniture machine

Cadwork and its CAM partners offer a complete solution for the control of all kinds of woodworking machinery.
You benefit from the expertise of partners who have acquired machine control skills over several decades.
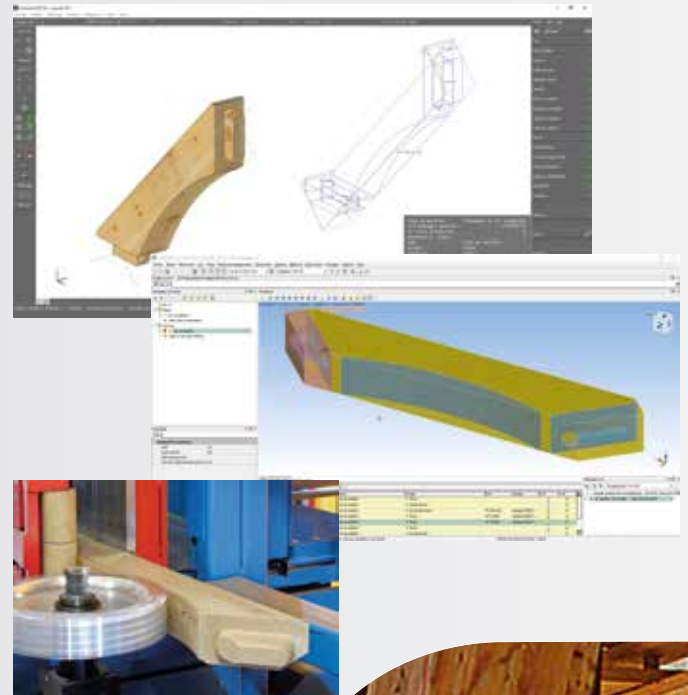
Solution Panel machines

Interior designers as well as woodworkers are able to drive your CNC. All the concerning machines are those processing the elements by contour to format the finished part and do the necessary processing: rabbets/grooves, drillings, half lap etc., up to 5-axis contour.
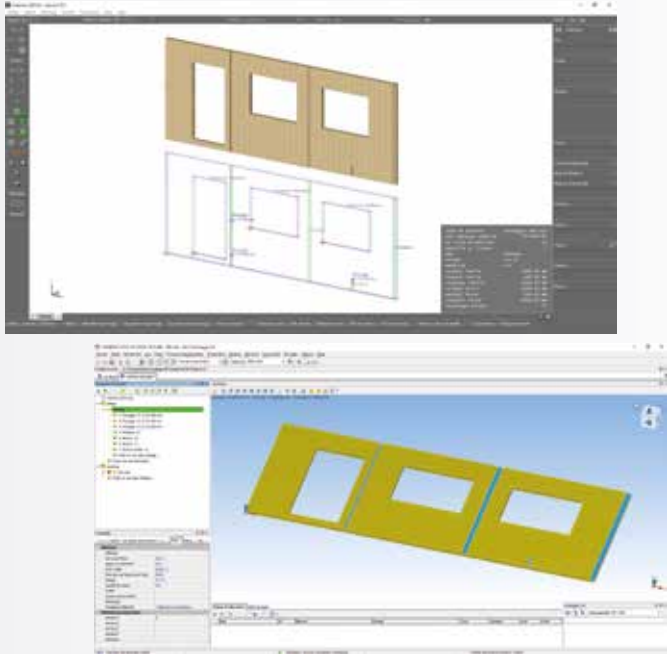
Solution Assembly machines

Your machine assembles timber frames: this solution will control all the most common framing machines on the market: Mach Diffusion, JJSmith, Hundegger WallMaster, Weinmann Wallteq. You can set the nailing pitch, the non-nailed zones, the safety zones: considering the opening modules, choice of tools for sawing or drilling/ripping.

Nesting

This solution uses the following modules:
3D, PANEL, BEAM AND ASSEMBLY MACHINES, DSTV-NC
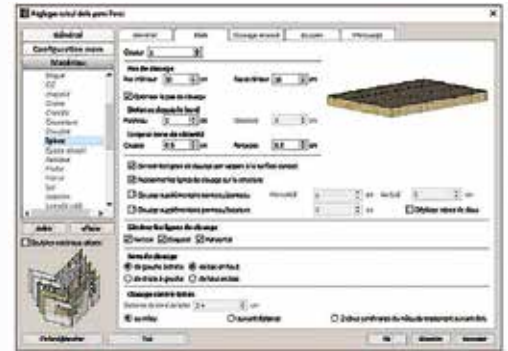
CUSTOMER PROJECTS

Interior Design - CCL Construction
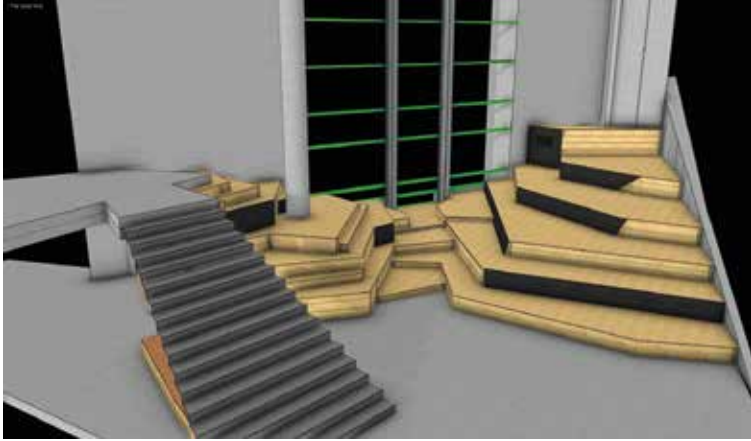
Extension/ Renovation - Dimensions Bois

Public Buildings - CCL Construction

Individual House - Cuny Construction

Our clients
have talent!

Exceptional Project - SACILC

Stairs - Olivier Baillet

School Project - Lycée Saint-Joseph

Garden Shelters, Pergolas and Terraces Sari Les Charpentiers

cadwork Training

Importance of training is paramount:

Its application for a good grip from the beginning and also throughout the duration of use of your software will represent a real asset for your company and your employees.
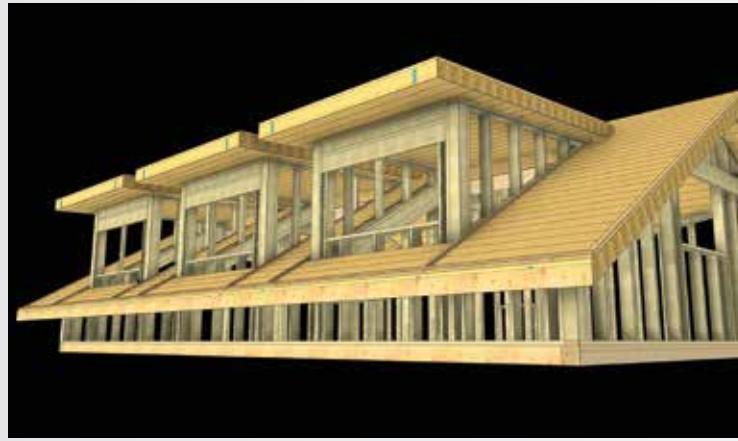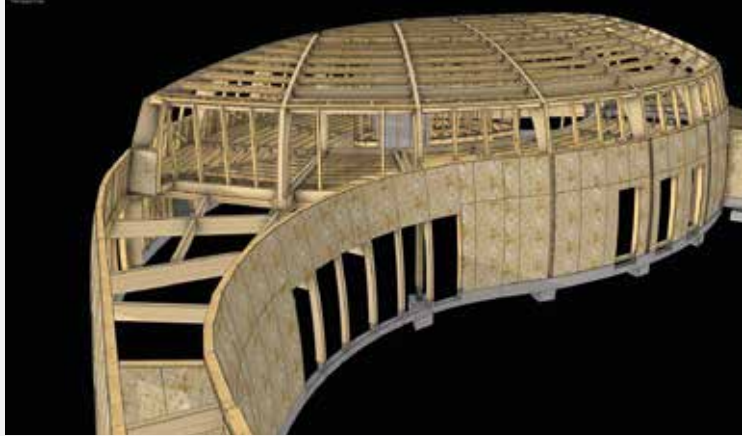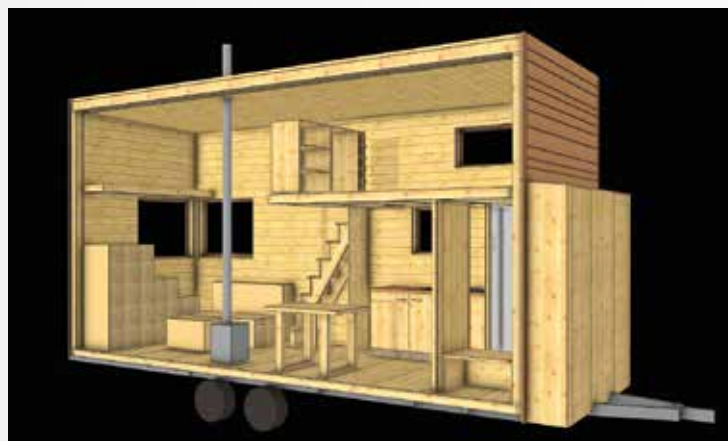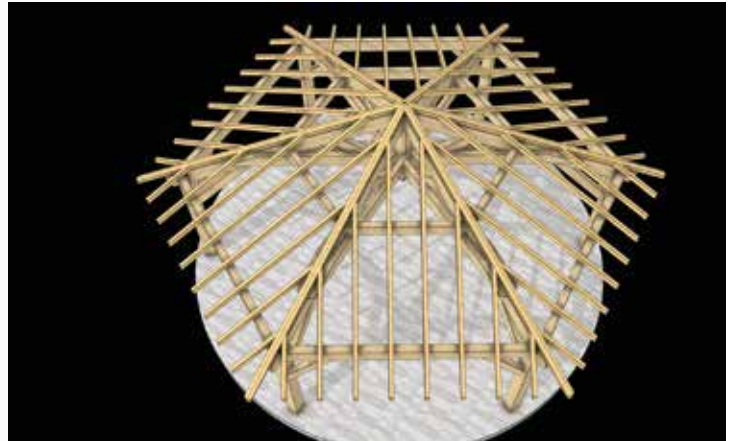
cadwork offers flexible, fast and economical training and learning methods, adapted to individual requirements and levels. Our training courses are conducted by professionals, which is a guarantee for cadwork quality.

The training courses can take place on your companies, in a cadwork training center/office or in a partner institution.

Training
- Proximity: follow-up by your cadwork trainer
- Customized training: we adapt to your current needs,
- Follow-up: we follow you in the increase of your software competence throughout your use

Level 1

For a good start, get trained and discover.

A 2 to 3 days training, depending on the option chosen, individual or in small groups, allowing a quick and autonomous mastery of the software. Thanks to this training, you will acquire the basics of the cadwork CAD/CAM 2D and 3D software in the fields of wood construction – carpentry or joinery, while benefiting from the telephone assistance and all the cadwork services.

An additional day is recommended 3-6 months after the first training to complete the basic knowledge.

The Level 1 training entitles you to a free 2-month trial cadwork version including access to technical support and access to the customer area and its numerous training materials (videos).

No prior knowledge of the software is required, basic knowledge of Windows is recommended.

Level 2

Improvement and specific modules

Level 2 training is highly recommended and is designed for users who are comfortable with the software.

It contributes to make you more efficient on a daily basis, to optimize your projects or to help you discover new tools to develop your activities.

Many courses are available, to progress and develop your knowledge.

Qualiopi processus certifié **Qualiopi** processus certifié

Different possibilities are proposed, we adapt to your needs:

Small group training in a cadwork branch office
Individual training in a cadwork branch office

Customised in-company training

Training by webinar without travelling

In an approved training center

... Userclub

Each time a new version is released, you are invited to attend the Userclub to learn about the new features.
A moment of sharing between users and cadwork.
...And get a lot of tips.

MODULES

2 D
THE CONNECTED DRAWING BOARD

cadwork 2D is the module that brings your ideas to life. Your model is generated, but you still need to transmit the information to the different actors - Production plans - Building permits - Manufacturing details - Realization concept.
Everything goes through 2D, the final tool of our solution.

3 D
A MODELER, OR NOTHING...

cadwork offers the only construction software that adapts to you, that offers you automation only when you want it, that accompanies you in the smallest as well as in the largest structures.
Whether you use cadwork 3D for CONSTRUCTION or Joinery-Interior Design, your only limits are those you set for yourself.
Whatever you imagine, you can draw it. Get off the beaten track and out of formatting: cadwork 3D is simply a tool, and you control it.

LISTS + DPP
BECAUSE 3D IS USELESS WITHOUT A PLAN

The list + DPP module is one of the most important in cadwork. It allows you to edit the production bundles and to fluidify the communication with the production workshop.

ROOF PRO MODULE
THE PRAGMATIC TOOL FOR PROFESSIONALS

Are you a carpenter? Use the advanced features of the 3D module to carry out your projects.
A tool specially made for you to make a roof definition and to establish structural elements in a record time...

ROOF PARTS
SIMPLY SIMPLE!

Realize any roof in a simple and intuitive way. Then extract take-off data simply and easily.

STAIRS
PARAMETRIC, BUT NOT ONLY ...

Thanks to the parametric models, you can quickly create standard stair by using the cadwork Stairs module. You can also realize all your desired stairs through cadwork 3D module.

AUTOWALL
QUOTATION IN A FEW CLICKS

The Automatic Wall module allows you to fill roof and floor envelopes very quickly with a simple complex.
Based on the French MBOC principle (Maisons Bois Outils Concepts. constructive system developed under the guidance of the Comité National pour le Développement du Bois), the parameterization is very easy and modification in the modeler is always possible afterwards.
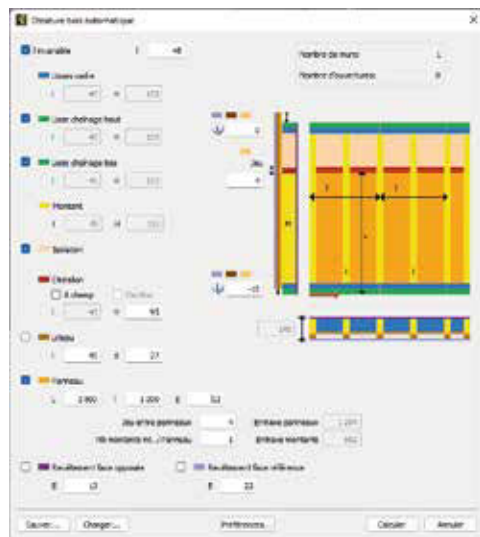
ELEMENT
WELCOME TO THE MOST POWERFUL FILLING MODULE

Many offer you parametric filling of your wooden walls: this is what cadwork does through the Autowall module.
But how can you differentiate yourself from the competition if someone else has already designed the details for you?
The Element module is the solution.

LAMELLA
THE MODULE USED BY GLULAM SPECIALISTS

The vast majority of glulam specialists work with cadwork today. The freedom of working in 3D and the geometric definition of the elements are the starting point for the workflow in many companies.

VARIANT
SAVE TIME WITH PARAMETRIC

Do you have company-specific structures that often recur in the shape, but not in the lengths, slope or sections?
Develop a Variant or request a development of one or more Variants.

MODULES

C-FASTER

FROM YOUR CADWORK 3D TO YOUR CALCULATION NOTE IN 1 CLICK!

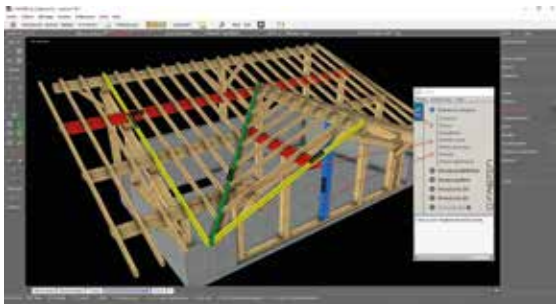C-FASTER supports you with a static calculation model based on your design. Materials, sections, supports and construction types have been defined in cadwork. No need to enter this information a second time!


MESH EDITOR

THE MESH OR THE OPTIMISED SOLUTION TO TRANSFORM POINTS INTO A SURFACE

The mesh allows to define the surface between 3 points. Each surface is then flat, but the assembly of these surfaces forms a geometry which can be very complex.

OPTIPANNEAUX

THE NEW GENERATION OF OPTIMISATION

Optimization of your panels and direct exchange with cadwork - indispensable for anyone who has already used laminate panels for exterior cladding, facades, etc. No need for training: a simple video tutorial is sufficient!
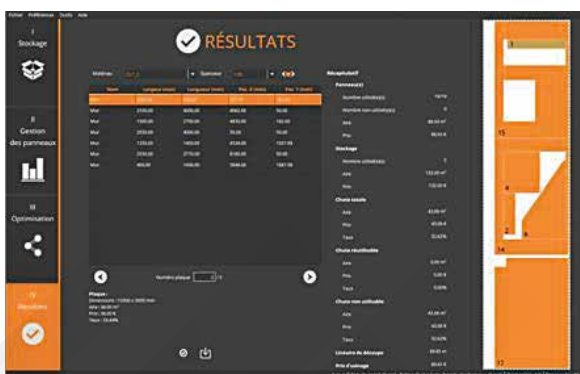
BIM

WAT IS BIM?

The digital building information model (BIM) has become the new way of thinking about buildings, from their design to their destruction.
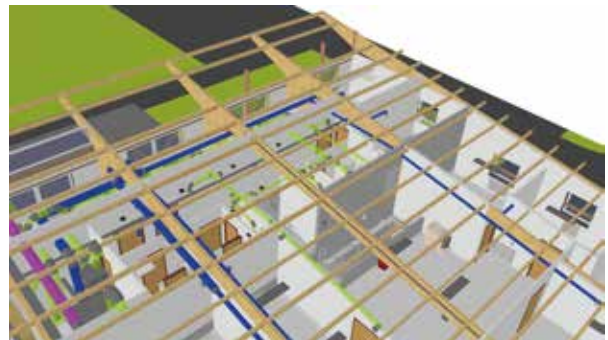
LASER MEASUREMENT PACKAGE

INTEGRATE THE MEASUREMENT DIRECTLY INTO CADWORK

Surveys on the construction site are often commissioned to external service providers and represent a significant cost. Nowadays, you can carry out your own professional surveys easily and inexpensively. This means that the entire added value remains in your own company.

Measuring is designing, and this is possible with the cadwork Connect module, which has been specially developed to open the PC communication ports for Leica measuring instruments.

ASSEMBLY MACHINE
WHAT GOES TOGETHER COMES TOGETHER

The assembled elements combine both beams and panels.

PANEL MACHINE
ONE PANEL, 3 DIRECTIONS

Panels are elements that are found particularly in the field of joinery or solid wall construction (CLT).

BEAM MACHINE
BEAMS, TYPICAL ELEMENTS OF TRADITIONAL CARPENTRY

Thanks to a total recognition of the processing carried out on the raw part, which will have been obtained in the 3D modeler in free creation, a control file adapted to each brand and model of machine is created.

MAPS
SUPPORT ITS DESIGN ON THE REALITY

A building is unique. A beautiful building is unique and designed to match the environment.

PDF IMPORT
MAKE QUOTATIONS FROM PDF FILES

Importing a vectorized PDF file allows you to position 3D elements by clicking on the points of the PDF drawing. A quotation accompanied by a 3D becomes easy.

WEBVIEWER
THE ADVANTAGES OF A 3D VIEWER

Your 3D can be read on any support: PC or tablets. You need to make yourself understood with a 3D by your interlocutor, the WebViewer is the fast and flexible solution.
You will be able to measure, make cuts, integrate the project on a Google Maps background, add shadows.
On site, the use of QR codes for the parts produced will allow you to locate them on the site very quickly.

CW
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